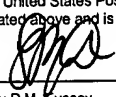


JC05 RECEIVED 29 MAR 2002

FORM PTO-1390 DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE (REV 1-98)		ATTORNEY'S DOCKET NO. 4003.001600
TRANSMITTAL LETTER TO THE UNITED STATES DESIGNATED/ELECTED OFFICE (DO/EO/US) CONCERNING A FILING UNDER 35 U.S.C. 371		U.S. APPLICATION NO. (If known, see 37 CFR 1.5) UNKNOWN 10/089595
INTERNATIONAL APPLICATION NO. PCT/US00/28158	INTERNATIONAL FILING DATE October 12, 2000	PRIORITY DATE CLAIMED October 12, 1999
TITLE OF INVENTION Screening for Disease Susceptibility by Genotyping the CCR5 and CCR2 Genes		
APPLICANT(S) FOR DO/EO/US Sunil Ahuja, Enrique Gonzalez, Srinivas Mummidi, Matthew Dolan and Mike Bamshad		
Applicants herewith submit to the United States Designated/Elected Office (DO/EO/US) the following items and other information:		
<ol style="list-style-type: none"> <input checked="" type="checkbox"/> This is a FIRST submission of items concerning a filing under 35 U.S.C. 371. <input type="checkbox"/> This is a SECOND or SUBSEQUENT submission of items concerning a filing under 35 U.S.C. 371. <input checked="" type="checkbox"/> This is an express request to begin national examination procedures (35 U.S.C. 371(f)) at any time rather than delay examination until the expiration of the applicable time limit set in 35 U.S.C. 371(b) and PCT Articles 22 and 39(1). <input checked="" type="checkbox"/> A proper Demand for International Preliminary Examination was made by the 19th month from the earliest claimed priority date. <input checked="" type="checkbox"/> A copy of the International Application as filed (35 U.S.C. 371(c)(2)). <ol style="list-style-type: none"> <input type="checkbox"/> is transmitted herewith (required only if not transmitted by the International Bureau). <input type="checkbox"/> has been transmitted by the International Bureau. <input checked="" type="checkbox"/> is not required, as the application was filed in the United States Receiving Office (RO/US). <input type="checkbox"/> A translation of the International Application into English (35 U.S.C. 371(c)(2)). <input type="checkbox"/> Amendments to the claims of the International Application under PCT Article 19 (35 U.S.C. 371(c)(3)). <ol style="list-style-type: none"> <input type="checkbox"/> are transmitted herewith (required only if not transmitted by the International Bureau). <input type="checkbox"/> have been transmitted by the International Bureau. <input type="checkbox"/> have not been made; however, the time limit for making such amendments has NOT expired. <input type="checkbox"/> have not been made and will not be made. <input type="checkbox"/> A translation of the amendments to the claims under PCT Article 19 (35 U.S.C. 371(c)(3)). <input type="checkbox"/> An oath or declaration of the inventor(s) (35 U.S.C. 371(c)(4)). <input type="checkbox"/> A translation of the annexes to the International Preliminary Examination Report under PCT Article 36 (35 U.S.C. 371(c)(5)). 		
Items 11 to 16 below concern document(s) or information included:		
<ol style="list-style-type: none"> <input type="checkbox"/> An Information Disclosure Statement under 37 CFR 1.97 and 1.98. <input type="checkbox"/> An assignment document for recording. A separate cover sheet in compliance with 37 CFR 3.28 and 3.31 is included and the fee is incorporated within the attached check. <input checked="" type="checkbox"/> A FIRST preliminary amendment (with Exhibits A through E); please calculate the filing fee based upon the claims in this amendment. <input type="checkbox"/> A SECOND or SUBSEQUENT preliminary amendment. <input type="checkbox"/> A substitute specification. <input type="checkbox"/> Power of attorney and/or address letter. <input checked="" type="checkbox"/> Other items or information: 1. Formal Drawings of FIG. 1A through FIG. 4B on 4 sheets; 2. Sequence Listing Diskette, hard copy of Sequence and Sequence Statement; and 3. Postcard. 		

CERTIFICATE OF EXPRESS MAILING	
NUMBER	<u>EL 522 496 571 US</u>
DATE OF DEPOSIT:	<u>March 29, 2002</u>
I hereby certify that this paper or fee is being deposited with the United States Postal Service "EXPRESS MAIL POST OFFICE TO ADDRESSEE" service under 37 C.F.R. § 1.10 on the date indicated above and is addressed to: Assistant Commissioner for Patents, Washington, D.C. 20231.	
 Shelley P.M. Fussey	

U.S. APPLICATION NO. (if known, see 37 CFR 1.5) UNKNOWN 107089595	INTERNATIONAL APPLICATION NO. PCT/US00/28158	ATTORNEY'S DOCKET NUMBER 4003.001600
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17. ☒ The following fees are submitted:

Basic National Fee (37 CFR 1.492(a)(1)-(5)):

Neither international preliminary examination fee (37 CFR 1.482) nor international search fee (37 CFR 1.445(a)(2)) paid to USPTO and International Search Report not prepared by the EPO or JPO \$1,040.00

International preliminary examination fee (37 CFR 1.482) not paid to USPTO but International Search Report prepared by the EPO or JPO \$890.00

International preliminary examination fee (37 CFR 1.482) not paid to USPTO but international search fee (37 CFR 1.445(a)(2)) paid to USPTO \$740.00

international preliminary examination fee (37 CFR 1.482) paid to USPTO but all claims did not satisfy provisions of PCT Article 33(1)-(4) \$710.00

International preliminary examination fee (37 CFR 1.482) paid to USPTO and all claims satisfied provisions of PCT Article 33(1)-(4) \$100.00

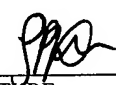
ENTER APPROPRIATE BASIC FEE AMOUNT	=	\$ 890.00	
Surcharge of \$130.00 for furnishing the oath or declaration later than <input type="checkbox"/> 20 <input checked="" type="checkbox"/> 30 months from the earliest claimed priority date (37 CFR 1.492(e)).		\$ 130.00	
Claims	Number Filed	Number Extra	Rate
Total Claims	25 - 20 =	5	x \$ 18.00
Independent Claims	7 - 3 =	4	x \$ 84.00
Multiple dependent claim(s) (if applicable)		+ \$260.00	\$ -0-
TOTAL OF ABOVE CALCULATIONS		=	\$1,446.00
Reduction by 1/2 for filing by small entity, if applicable. Verified Small Entity Statement is no longer required.			\$ 723.00
SUBTOTAL		=	\$ 723.00
Processing fee of \$130.00 for furnishing the English translation later than <input type="checkbox"/> 20 <input type="checkbox"/> 30 months from the earliest claimed priority date (37 CFR 1.492(f)).		+	\$ -0-
TOTAL NATIONAL FEE		=	\$ 723.00
Fee for recording the enclosed assignment (37 CFR 1.21(h)). The assignment must be accompanied by an appropriate cover sheet (37 CFR 3.28, 3.31). \$40.00 per property)		+	\$ -0-
TOTAL FEES ENCLOSED		=	\$ 723.00
		Amount to be refunded:	\$.00
		Charged	\$.00

a. ☒ A check in the amount of \$723.00 cover the above fees is enclosed.

b. ☐ Please charge my Deposit Account No. _____ in the amount of \$ _____ to cover the above fees. A duplicate copy of this sheet is enclosed.

c. ☒ The Commissioner is hereby authorized to charge any additional fees that may be required, or credit any overpayment to Deposit Account No. 50-0786/4003.001600. A duplicate copy of this sheet is enclosed.

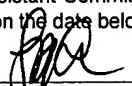
NOTE: Where an appropriate time limit under 37 CFR 1.494 or 1.495 has not been met, a petition to revive (37 CFR 1.137(a) or (b)) must be filed and granted to restore the application to pending status.

SEND ALL CORRESPONDENCE TO: Shelley P.M. Fussey Williams, Morgan & Amerson 7676 Hillmont, Suite 250 Houston, TX 77040 (713) 934-7000 Date: March 29, 2002	<div style="text-align: center;">  SIGNATURE </div> Shelley P.M. Fussey Patent Agent Reg. No. 39,458
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PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of:	§	
Sunil Ahuja, Enrique Gonzalez, Srinivas	§	
Mummidi, Matthew Dolan and Mike Bamshad	§	
	§	
Serial No.: Unknown	§	Group Art Unit: Unknown
PCT/US00/28158	§	
	§	Examiner: Unknown
Filed: March 29, 2002		
Intl. Filing date: October 12, 2000	§	Atty. Dkt.: 4003.001600
Priority date: October 12, 1999	§	
	§	
For: Screening for Disease Susceptibility	§	
By Genotyping the CCR5 and CCR2 Genes	§	

EXPRESS MAILING LABEL 37 C.F.R. § 1.10	
I hereby certify that this paper is being deposited with the U.S. Postal Service "EXPRESS MAIL POST OFFICE TO ADDRESSEE" (Number EL 522 496 571 US) service on the date indicated and is addressed to Assistant Commissioner for Patents, Washington, D.C. 20231, on the date below:	
March 29, 2002 Date	 Shelley P.M. Fussey

SUBMISSION OF FORMAL DRAWINGS

ATTN OFFICIAL DRAFTSMAN
Assistant Commissioner for Patents
Washington, D.C. 20231

Sir:

Applicants hereby submit the formal drawings for the above-referenced application (Figures 1A-1E, 2, 3 and 4A-4B on 4 sheets) and request that these drawings be accepted for filing.

Respectfully submitted,



Shelley P.M. Fussey
Reg. No. 39,458
Agent for Applicants

PATENT APPLICATION SERIAL NO. 10/089595

U.S. DEPARTMENT OF COMMERCE
PATENT AND TRADEMARK OFFICE
FEE RECORD SHEET

04/08/2002 UEDUVIJE 00000029 10089595

01 FC:971	445.00 OP
02 FC:254	65.00 OP
03 FC:967	45.00 OP
04 FC:965	168.00 OP

Adjustment date: 11/15/2002 GFREY1
04/08/2002 UEDUVIJE 00000029 10089595
04 FC:965 -168.00 OP

Adjustment date: 11/15/2002 GFREY1
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Repln. Ref: 11/15/2002 GFREY1 0015093800
DAH:500786 Name/Number:10089595
FC: 9204 \$168.00 CR

11/15/2002 GFREY1 00000003 500786 10089595

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02 FC:1615	90.00 CH	